

FIGURE 1A

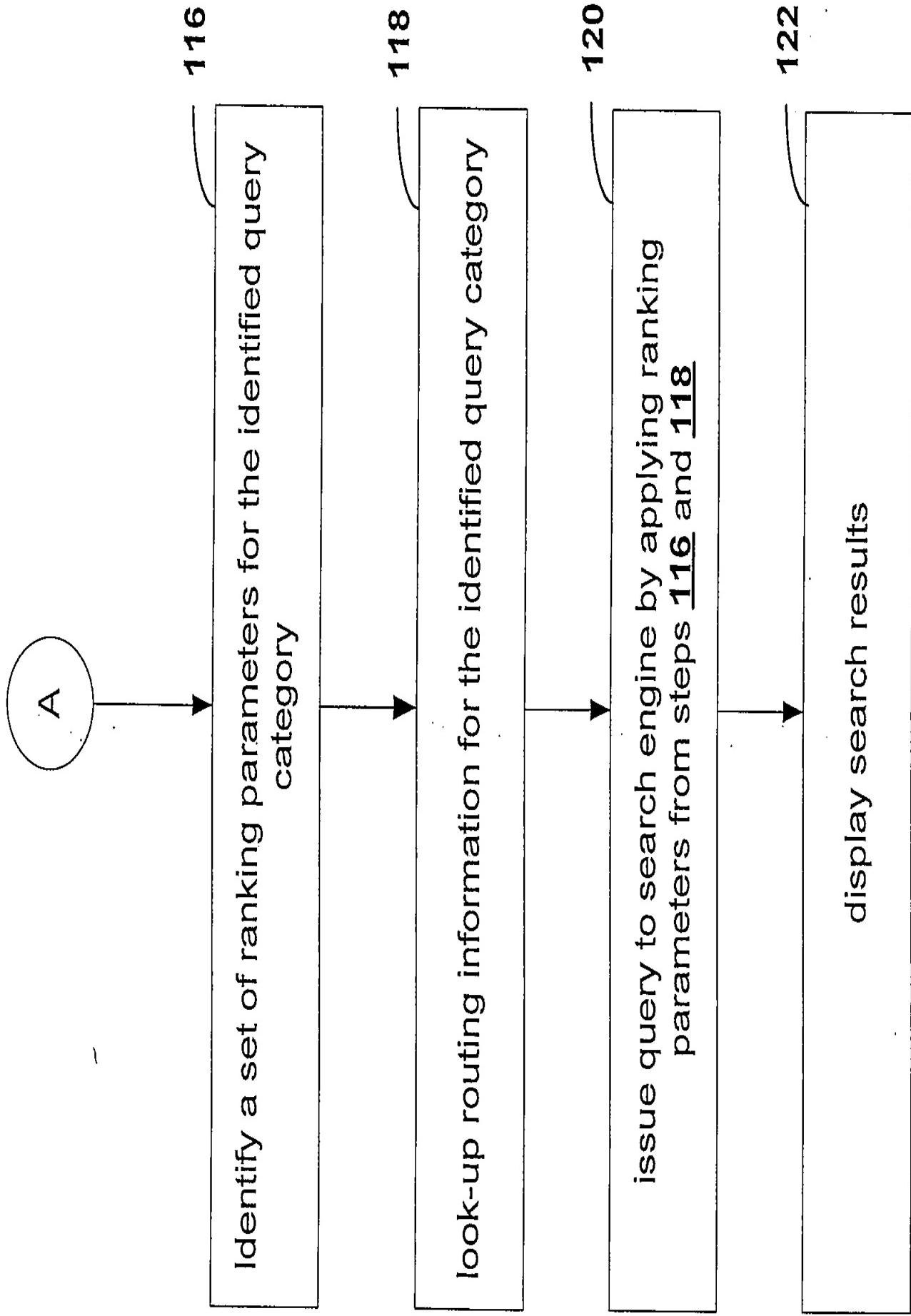


FIGURE 1B

200

202

determine a query class for the query, wherein the query class is associated with a routing function and a ranking function

204

determine the indices that are most relevant to the query

206

identify a set of documents related to the query based on the determined indices

208

collect, rank results, merge and sort these by relevancy, and return a subset of the highest ranked documents as the documents most relevant to the query.

FIGURE 2

302

analyze user profile data, user search context and history data, query log files, and index statistics, as well as other query related external data that seems to be relevant or helpful to determine a query class for said search query

304

based upon the analysis of step 302, identify a query class and associate with
the search query

FIGURE 3

402

use ranking function that is associated to the determined query class

404

forward search query and ranking function to the search engine(s) that manage
the selected indicies

FIGURE 4

502

each search result item has a (normalized) score

504

collect all results from step 206 of Figure 2

506

sort search results by score in decreasing order (assume high score is better)

508

return top k results from sorted list of search results from the merged search result list to the user

FIGURE 5